



ZERO

LOST TIME ACCIDENTS

AQCS RETROFIT OF UNIT 8 LON D WRIGHT POWER PLANT

City of Fremont, NE

Fagen, Inc. was the EPC contractor for an AQCS retrofit at the Lon. D. Wright Power Plant. We used Power Engineers as our partner for the design. The scope was for us to design and install an emission scrubber and baghouse on their existing unit #8 coal plant.

This facility consists of 3 steam trains, 18 MW, 26 MW and 92 MW built in the 60's, 70's and 80's respectively.

This project was done on an operating plant. Careful consideration had to be taken each and every day to insure that our construction activities did not jeopardize the safe running of the plant. As you can also see from picture, the footprint of where the equipment was being set was very tight and in close proximity of their existing plant. Lime and dust collection systems delivered as skids saved on site construction time.

Primary Contact

Jeff Shanahan
Lon D. Wright Power Plant
Plant Manager
402.727.2642



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Notice to Proceed - July 31, 2013 | Substantial Completion - August 17, 2016

www.fageninc.com - 320.564.3324



Scope Of Work

All civil, structural, mechanical and electrical for:

- R & R ID Fan, R & R Inlet and discharge duct from the air preheater through the SDA, filter fabric modules to the existing stack.

Managed the Installation of:

- Air Quality Control System which includes:
 - Lime and pac silo.
 - 3 Atlas Copco air compressors
 - 2 vacuum pumps.
 - Chemco lime mixing and injection systems
 - 8 Filter fabric modules
 - Chemco activated carbon injection system.
 - Ash silo
 - Dust master ash unloading system
 - Howden supplied ID fan
 - Inlet and discharge duct



Project Statistics

2,370 Cu. yds. concrete

420 Tons of steel

24,493 sq. ft of siding

38 Pieces of equipment set

8,774 linear feet of pipe installed.

- 322 butt welds

- 1690 socket welds

- 0% rejection.

200,766 linear feet of electrical wire installed.

1,182 linear feet of pipe insulation

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